

533 Rec'd PCT/PTO 09 JUN 2000

FORM PTO-1390  
REV. 5-93US DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTORNEYS DOCKET NUMBER  
**P00,0622****TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371**

U.S. APPLICATION NO. (if known, see 37 CFR 1.5)

**09/581359**INTERNATIONAL APPLICATION NO.  
**PCT/DE98/03545**INTERNATIONAL FILING DATE  
**02 DECEMBER 1998**PRIORITY DATE CLAIMED  
**18 DECEMBER 1997**

## TITLE OF INVENTION

**METHOD AND COMMUNICATIONS SYSTEM FOR CIPHERING INFORMATION FOR A RADIO TRANSMISSION  
AND FOR AUTHENTICATING SUBSCRIBERS**

APPLICANT(S) FOR DO/EO/US

**CHRISTIAN MENZEL ET AL.**

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay.
4. ☒ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. ☒ A copy of International Application as filed (35 U.S.C. 371(c)(2)) - drawings attached.
  - a. ☒ is transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ has been transmitted by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US)
6. ☒ A translation of the International Application into English (35 U.S.C. 371(c)(2)) - drawings attached.
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. §371(c)(3))
  - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ have been transmitted by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

**Items 11. to 16. below concern other document(s) or information included:**

11. ☒ An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98; **(PTO 1449, Prior Art, Search Report)**.
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.  
**(SEE ATTACHED ENVELOPE)**
13. ☒ Amendment "A" Prior to Action.
  - ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
14. ☐ A substitute specification.
15. ☐ A change of power of attorney and/or address letter.
16. ☒ Other items or information:
  - a. ☒ Submission of Informal Drawings - 2 sheets of drawings, Figures 1-3; and Request for Approval of Drawing Modifications, Figures 1-3.
  - b. ☒ EXPRESS MAIL #EL 544622965US dated June 9, 2000.

U.S. APPLICATION NO. (if known) 09/581359 (37 C.F.R. 1.53)

INTERNATIONAL APPLICATION NO.  
PCT/DE98/03545ATTORNEY'S DOCKET NUMBER  
00,062217. ☒ The following fees are submitted:**BASIC NATIONAL FEE (37 C.F.R. 1.492(a)(1)-(5):**

Search Report has been prepared by the EPO or JPO ..... \$840.00

International preliminary examination fee paid to USPTO (37 C.F.R. 1.482) .. \$670.00

No international preliminary examination fee paid to USPTO (37 C.F.R. 1.482) but  
international search fee paid to USPTO (37 C.F.R. 1.445(a)(2)) ..... \$760.00Neither international preliminary examination fee (37 C.F.R. 1.482) nor international  
search fee (37 C.F.R. 1.445(a)(2)) paid to USPTO ..... \$970.00International preliminary examination fee paid to USPTO (37 C.F.R. 1.482) and all  
claims satisfied provisions of PCT Article 33(2)-(4) ..... \$ 96.00**ENTER APPROPRIATE BASIC FEE AMOUNT =**

CALCULATIONS

PTO USE ONLY

\$ 840.00

Surcharge of \$130.00 for furnishing the oath or declaration later than ☐ 20 ☐ 30 months  
from the earliest claimed priority date (37 C.F.R. 1.492(e)).

\$

Claims	Number Filed	Number Extra	Rate
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Total Claims	15 - 20 =	0	X \$ 18.00	\$
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Independent Claims	02 - 3 =	0	X \$ 78.00	\$
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Multiple Dependent Claims			\$260.00 +	\$
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**TOTAL OF ABOVE CALCULATIONS =**

\$ 840.00

Reduction by ½ for filing by small entity, if applicable. Verified Small Entity statement must also  
be filed. (Note 37 C.F.R. 1.9, 1.27, 1.28)

\$

**SUBTOTAL =**

\$ 840.00

Processing fee of \$130.00 for furnishing the English translation later than ☐ 20 ☐ 30 months  
from the earliest claimed priority date (37 CFR 1.492(f)).

\$

+

**TOTAL NATIONAL FEE =**

\$ 840.00

Fee for recording the enclosed assignment (37 C.F.R. 1.21(h). The assignment must be  
accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 per property

+

**TOTAL FEES ENCLOSED =**

\$ 840.00

Amount to be  
refunded

\$

charged

\$

a. ☒ A check in the amount of \$ 840.00 to cover the above fees is enclosed.b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees. A  
duplicate copy of this sheet is enclosed.c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any  
overpayment to Deposit Account No. 08-2290. A duplicate copy of this sheet is enclosed.NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b)) must be  
filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Hill & Simpson  
A Professional Corporation  
85th Floor Sears Tower  
Chicago, Illinois 60606

SIGNATURE

Steven H. Noll  
NAME28,982  
Registration Number

**CERTIFICATE OF MAILING BY EXPRESS MAIL**

**Express Mail Mailing Label Number EL 544622965US**

**Date of Deposit: June 9, 2000**

I hereby certify that this correspondence is being deposited with the United States Postal "Express Mail Post Office to Addressee" service under 37 CFR 1.10(c) on the date indicated above and is addressed to:

**BOX PCT  
Assistant Commissioner for Patents  
Washington DC 20231**

**Case Number: P00,0622  
Applicant(s): Christian Menzel et al.**

**International Application No. PCT/DE98/03545  
International Filing Date 02 December 1998  
Priority Date Claimed 18 December 1997**

**Title: Method and Communications System for Ciphering Information  
for A Radio Transmission and for Authenticating Subscribers**

**Enclosed are the following documents:**

International application as filed, drawings attached;  
English translation, drawings attached;  
Executed Declaration;  
PTO 1390 in duplicate;  
Amendment "A" prior to action;  
Information Disclosure Statement; PTO 1449, Search Report, References;  
Submission of Informal Drawings, 2 sheets of drawings, Figures 1-3, and;  
Request for approval of drawing changes, 3 sheets of drawings, Figures 1-3;

**Fee: \$ 840.00  
Postcard**

**(See attached envelope for Executed Assignment;  
PTO 1595; \$40.00 filing fee; Postcard)**

  
\_\_\_\_\_  
**Signature of person mailing documents and fees**